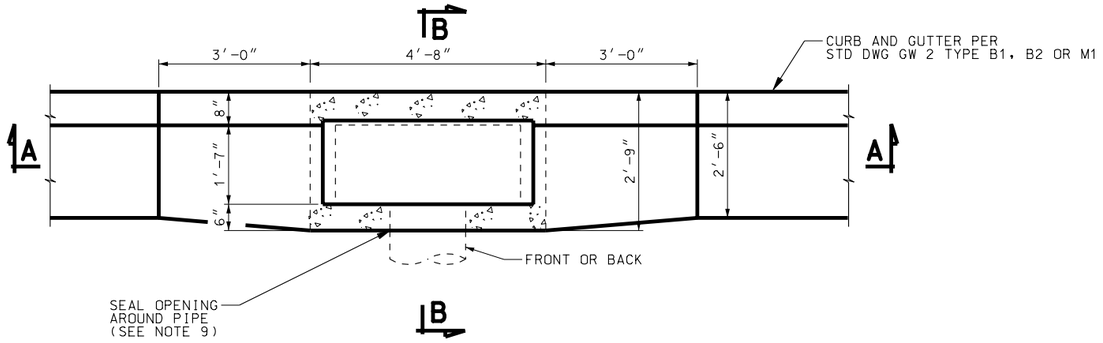
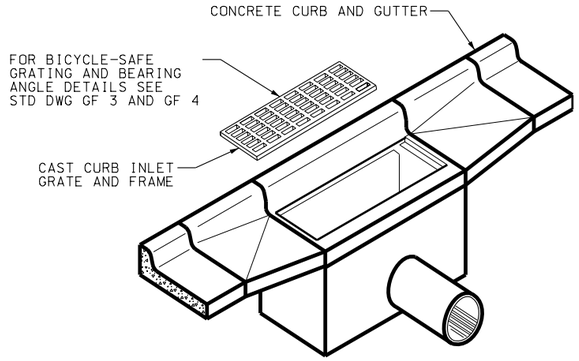
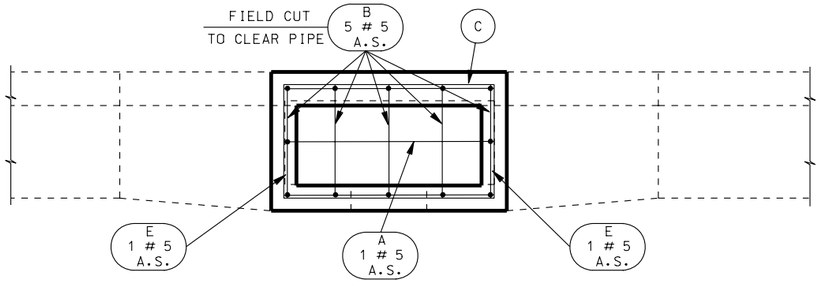


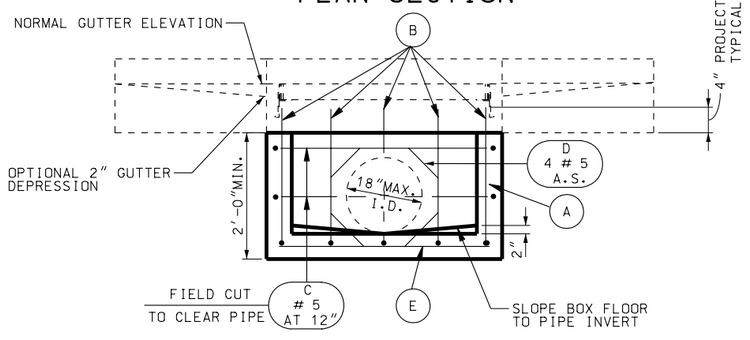
PLAN VIEW



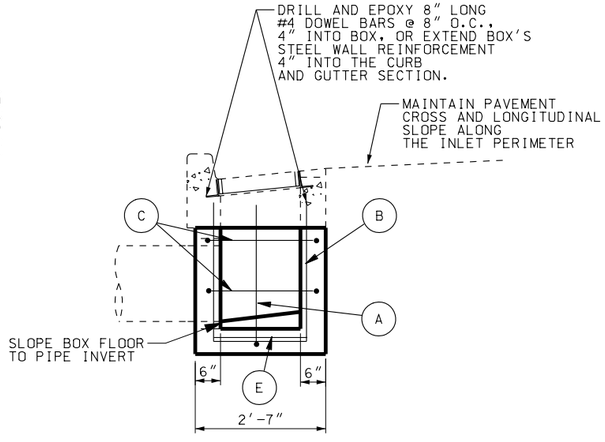
ISOMETRIC VIEW



PLAN SECTION



SECTION A–A



SECTION B–B

NOTES:

1. USE COATED DEFORMED BILLET REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. USE CLASS AA(AE) CONCRETE.
3. USE TYPE II CEMENT (LOW ALKALI).
4. PROVIDE $^{3}/_{4}$″ CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
5. PROVIDE 2″ CONCRETE COVER TO REINFORCING STEEL.
6. FOR GRATE AND FRAME SEE STD DWG GF 3 AND GF 4.
7. FIELD CUT AND BEND REINFORCING STEEL AS NECESSARY TO CLEAR PIPE(S) AND MAINTAIN 2″ COVER.
8. FOR LOCATION AND SIZE OF PIPE(S) SEE ROADWAY PLANS.
9. CENTER PIPE IN BOX OPENING, USE NON-SHRINK GROUT TO SEAL OPENING AROUND THE PIPE, OR USE PIPE MANUFACTURER PIPE-BOOT INSTEAD.
10. SIZE BOX HEIGHT TO MEET MINIMUM COVER FOR PIPE USED. (SEE STD DWG DG 4)
11. REPAIR ANY DAMAGE OR CUTS TO EPOXY COATING.

DESIGN DATA

HS 20 OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH AASHTO 17th EDITION SPECIFICATIONS.

STRUCTURAL STEEL: Fy = 36,000 psi

STRUCTURAL CONCRETE: f′c = 4,000 psi
fy = 60,000 psi
n = 8

REINFORCING STEEL LAYOUT

PROVIDE 2″MIN. COVER TO ALL BARS

BAR A	BAR B	BAR C	BAR D	BAR E
		8″		

REVISIONS				
NO.	DATE	APPR.	REMARKS	
1	04/28/05	M.F.	SECTION B-B BACK WALL THICKNESS CHANGED FROM 8" TO 6".	

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — APR.28.2005 DATE
CHAIRMAN STANDARDS COMMITTEE
APPROVED — APR.28.2005 DATE
DEPUTY DIRECTOR

SHALLOW
CATCH BASIN

STD DWG
CB 3

DGN File:L:\Standard_Drawings\Imperial\2005Approved\xChange2Approved\xcb03.dgn
10-MAY-2005